

New method of precision electrical contact spot welding

The method provides the developing of precision connections by spot welding using transitional multilayered layers from welding material.

THE FIELDS OF USAGE:

- Instrument Construction;
- Machine Construction;

THE MAIN PECULIARITIES AND ADVANTAGES:

- procurement of qualitative welding connections of metallic materials by means of additional localization of heat energy in conjunction;
- precision of welding connections;
- strength of connections on the level of main material without altering of the chemical composition and properties of a conversion zone;
- the low level of residual voltage in the welding zone;
- the possibility of nonferrous welding without additional technological schemes;
- the reducing of necessary capability of welding machine;
- the decline in the prime cost of the producing by 1,5-2.



TYPICAL WELDING CONSTRUCTIONS:

